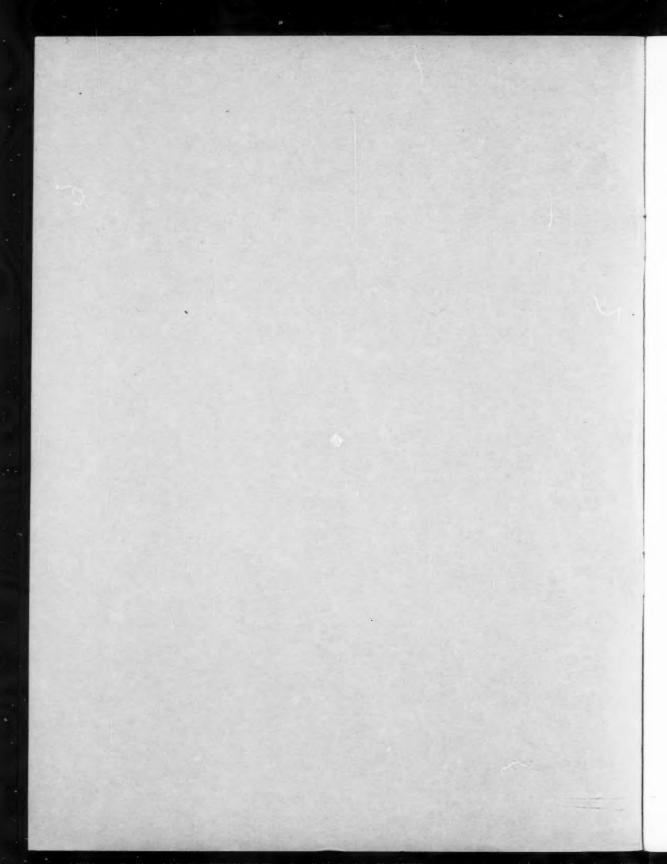
Journal of the
South African Chemical Institute
Joernaal van die
Suid-Afrikaanse Chemiese Instituut



INDEX — INDEKS

Volumes XVI — XX. April 1963 to October 1967

Bande XVI — XX. April 1963 tot Oktober 1967



INDEX

to the

JOURNAL OF

THE SOUTH AFRICAN CHEMICAL INSTITUTE

VOLS. XVI - XX (APRIL 1963, to OCTOBER, 1967)

SUBJECT INDEX

A

Acetophenone, some sulphonamido-derivatives	1964, XVII, 95
	1967, XX, 144
cellulose acetate	1966, XIX, 123
Adsorptive properties, of cellulose acetate. Part I. Adsorption of aliphatic	1000, 12112, 120
	1967, XX, 11
alcohols	
Alipatic alcohols, adsorption of. Adsorptive properties of cellulose acetate	1967, XX, 11
Alkaloids, of the Leguminosae. Part II. Hofmann degradative studies on	
calpurnine from Calpurnia Subdecandra	1966, XIX, 57
Alumina, hydrated, the effect of pH on the ion-exchange properties of, Part I.	
Capacity and selectivity	1966, XIX, 98
Alumina, hydrated, the effect of pH on the ion-exchange properties of, Part II.	,,
	1966, XIX, 108
Kinetics of exchange	1967, XX, 81
Amadin, the microheterogeneity of	
Aminations of bromopyridines and bromoethoxpyridines	1964, XVII, 41
Arsenic, cyclic compounds of, the application of lithium arsenides to the	
synthesis of	1964, XVII, 71
synthesis of	
with: infrared spectra and bonding	1967, XX, 113
Aromatic hydrocarbons, and haloforms, adsorption of. Adsorptive properties of	
cellulose acestate	1967, XX, 114
cellulose acetate	1964, XVII, 71
Arsonium salt, a novel spirocyclic	
Atomic absorption, determination of traces of lead in fish flour	1964, XVII, 55
Atomic adsorption spectrometry, determination of barium and strontium in	
maize meal and bread flour by, after separation by ion-exchange	
chromatography	1967, XX, 25
• • •	
R	
Barium, and strontium, determination of in maize meal and bread flour by	
atomic absorption spectometry after separation by ion-exchange	
chromatography	1967, XX 25
Barium-137M, half-life of	1966, XIX, 1
Betuligenol, and beluloside, the isolation of	1967, XX, 54
Bromoethovynyridines aminations of	1964, XVII, 41
Bromoethoxypyridines, aminations of	1964, XVII 41
Bromopyridines, amination of	1504, AVII 41
C	
· · ·	
Calpurnine, from Calpurnia subdecandra, Hofmann ddgradative studies on	1966, XIX, 57
Cancerous growth, potential inhibitors of, Part VI. The application of the	
Mannich reaction in the synthesis of nitrogen mustard derivatives	1966, XIX, 38
Carbon dioxide, adsorption on reduced iron catalysts	1963, XVI, 15
	1909, AVI, 19
Cellulose acetate, adsorptive properties of. Part I. Adsorption of aliphatic	
alcohols	1967, XX, 11
Cellulose acetate, adsorptive properties of. Part II. Adsorption of aromatic	
hydrocarbons and haloforms	1967, XX, 144
Cellulose, (Cx-enzyme), a viscometric method for the assay of the enzyme hydro-	
lyzing the 1,4-\(\beta\) glucosidic linkage in. Studies in the metabolism of	
fungi. Part II	1965, XVIII, 79
IMMERICAL CO. CO. CO. CO. CO. CO. CO. CO.	1000, A VIII. /0

Chromatography, anion-exchange, a separation of scandium from yttrium, lanthanum and the rare earths by, of the sulphate complexes		
Chromatography, cation-exchange, the separation of uranium from scandium, yttrium, rare earths, thorium, beryllium, magnesium, copper, man-		
ganese, iron, aluminium and other elements by	1963, XVI, 38	
of the plate height for	1964, XVII, 122	
parameters	1964, XVII, 133	
Chrome ores, and chrome refractories, a rapid and direct determination of magnesium in, with E.D.T.A	1965, XVIII, 100	
Chromietertse, en verwante vuurvaste materiaal, 'n vinnige en direkte bepaling van magnesium op, met E.D.T.A.	1965, XVIII, 100	
Cobalt, cyanide complexes of, an infrared study of, on anion-exchange resins	1963, XVI, 1	
Collegen acid-soluble the subunit composition of	1965, XVIII, 61 1967, XX, 69	
Collagen, acid-soluble, the subunit composition of Colorimetric determination, of phosphorus in fertilizers	1964, XVII, 101	
Column chromatographic fractionation, the purification of formol diphtheria		
toxoid by	1964, XVII, 1	
Column chromatography, of the high-sulphur proteins of reduced merino wool Co-ordination compounds, of titanium tetrahalides with quinoline and iso-	1967, XX, 161	
quinoline	1967, XX, 57	
Cotyledon Wallichii Harv. (kandelaarbos), the chemistry of. Part I. The isolation of betuligenol and betuloside	1967, XX, 54	
Cucurbitaceae, bitter principles of the, Part XIV. The constitutions of Cucurs	1007, 2121, 04	
bitacins G and H Cyanocomplexes Cyanocomplexes. Part II Cystine, and some derivatives, the oxidation of	1964, XVII, 142	
Cyanocomplexes	1966, XIX, 62	
Cyanocomplexes. Part II	1967, XX, 197	
Cystine, hypophosphite as a reducing agent for the disulphide linkage in	1965, XVIII, 56 1963, XVI, 31	
Cystine, and some derivatives, the oxidation of Cystine, hypophosphite as a reducing agent for the disulphide linkage in Cystine, reduction by hypophosphite and ultraviolet light	1963, XVI, 48	
y state, reduction by hypophosphate and alternote light	1000, 11 11, 10	
D		
Diels-Alder addition products, of Vitamin A esters	1963, XVI, 22	
β-Dimethylamino-ethyl benzhydryl ether, (diphenhydramine), the spectro-		
photometric determination of, in a cough mixture p-Dioxan. The systems p-dioxan — sulphuric acid-water and p-dioxan-sulphuric	1967, XX, 194	
acid-phosphoric acid-water at 25°	1966, XIX, 45	
photometric determination of, in a cough mixture	1967, XX, 194	
a,w-Diphenylalkanes, p,p' — disubstituted derivatives of, diphenyl and diphenyl ether, studies on complexes and ligands	1967, XX, 123	
Diphenyl ether, p,p' — disubstituted derivatives of, and of diphenyl and α , ω — diphenylalkanes. Studies on complexes and ligands	1967, XX, 123	
Diphenyl, p,p' — disubstituted derivatives of, and of diphenyl ether and		
a, ω-diphenylalkanes, studies on complexes and ligands Disulphides, peptide-bound, reduction of by hypophosphite and ultra-violet	1967, XX, 123	
light	1963, XVI, 48	
3-carboxy-4-nitrothiophenol derivatives of cysteine and glutathione		
and their decomposition by alkali	1965, XVIII, 87	
E		
E		
E.D.T.A., a rapid and direct determination of magnesium in chrome ores and	1005 VVIII 100	
chrome refractories with	1905, AVIII, 100	
verwante vuurvaste materiaal met	1965, XVIII, 100	
verwante vuurvaste materiaal met	1964, XVII, 14	
-		
F		
Formol diphtheria toxoid, the purification of, by column chromatographic	1004 VVII 1	
fractionation Fungi — Studies in the metabolism of. Part III. A viscometric method for the	1964, XVII, 1	
assay of the enzyme hydrolyzing the 1,4-β-glucosidic linkage in cellulose (Cx-Enzyme)	1965, XVIII, 79	
(-500, 22 TAIR, 80	

Gas solubilities, determination of in water and some organic liquids	1964, XVII, 9
and tetrachlorobisquinolinetitanium (IV)	1967, XX, 61
and tetrachlorobisquinolinetitanium (IV)	1967, XX, 32
β-Glucosidase, from sweet almonds, the purification of physicochemical proper-	
ties of a	1964, XVII, 79
linkage in	1963, XVI, 31
linkage in	1963, XVI, 51
,,,,,,	,,
Н	
Haloforms, and aromatic hydrocarbons, adsorption of. Adsorptive properties	
of cellulose acetate, Part II	1967, XX, 194
Hexamethylphosphoramide complexes, and octamethylpyrophoramide com-	
plexes of tetravalent metal chlorides	1966, XIX, 73
High resolution infrared, studies of monodeuteromethane and trideuteromethyl	
chloride	1966, XIX, 180
Hydrological studies, the preparation of potassium hexacyanocobaltate (III)	
labelled with cobalt-58 and -60 for	1965, XVIII, 1
Hypophosphite and ultraviolet light, reduction of cystine and peptide-bound	1000 1717 10
disulphides by	1963, XVI, 48
Hypophosphite, as a reducing agent for the disulphide linkage in wool, cystine,	1000 3777 01
and oxidized glutathione	1963, XVI, 31
Y .	
I	
Igneous rocks, quantitative spectrochemical analysis of some	1964, XVII, 29
Infrared spectra and bonding, studies on complexes and ligands. Part II. Com-	
plexes of mercury (II) and zinc (II) with primary aromatic armines.	1967, XX, 113
Infrared study, of cyanide complexes of cobalt on anion-exchange resins	1963, XVI, 1
Inhibitors, potential, of cancerous growth. Part VI. The application of the	
Mannich reaction in the synthesis of nitrogen mustard derivatives	1966, XIX, 38
Instabilities, in multicomponent liquid diffusion	1966, XIX, 125
Ion exchange chromatography, the separation of uranium from other elements	1967, XX, 1
Ion exchange, kinetics of, on a weak acid resin	1967, XX, 92
Ion-exchange properties, the effect of pH on the, of hydrated alumina. Part I.	1000 NIN 00
Capacity and selectivity	1966, XIX, 98
Ion-exchange properties, the effect of pH on the, of hydrated alumina. Part II.	1000 VIV 100
Kinetics of exchange	1966, XIX, 108
Ionization constants, of monomeric molybdic acid	1963, XVI, 26
Iron catalysts, reduced, surface areas of, and carbon dioxide adsorption on	1963, XVI, 15
Iron (0) carbonyl, the determination of, in a gas stream	1964, XVII, 38
1a, 2a-O-Isopropylidene-3β-O-acetyl-4β-cyano-tetrahydrofuran — 1a, 2a, 3β-	1966, XIX, 49
triol, the nuclear magnetic resonance spectrum of	1000, AIA, 49
K	
Kaliumfosfaat, gesmelte, die invloed van alumina op die toestand van poli-	
merisasie in	1966, XIX, 6
Kinetic properties, a study of the differences in some, of lactic dehydrogenase	,,
isolated from normal and neoplastic human lung tissues	1967, XX, 43
Kinetic study, a, of the decomposition of the trioxalato-manganate (III) — ion	
according to a polarographic method	1965, XVIII, 6
Kinetics. A method for determining the best values of three parameters in a	
kinetic equation containing two independent and one dependent	
variable	1963, XVI, 11
Kinetics of exchange, the effect of pH on the ion-exchange properties of hydrated	
	1966, XIX, 108
alumina	1967, XX, 92
Kinetiese ondersoek, 'n, van die ontbinding van die trioksalatomanganaat-	
(III)-ioon volgens 'n polarografiese metode	1965, XVIII, 6

Magnesium, a rapid and direct determination of, in chrome ores and chrome refractories with E.D.T.A	Lactic dehydrogenase, from human lung inhibition by certain water-soluble ciliastic components of tobacco smoke	1967, XX, 103 1967, XX, 43 1965, XVIII, 41 1964, XVII, 55 1966, XIX, 57 1966, XIX, 125
refractories with E.D.T.A	M	
N-Methyl-L-alanine, a novel amino acid from Gifblaar, isolation and characterization of	refractories with E.D.T.A Magnesium, 'n vinnige en direkte bepaling van, op chromeitertse en verwante vuurvaste materiaal met E.D.T.A Magnetite, reduced, the structural promotion of	1965, XVIII, 100 1965, XVIII, 100 1966, XIX, 115
Neorautanenia Isoflavanoids — Part I. The interconversion of neodulin and dehydroneotenone	N-Methyl-L-alanine, a novel amino acid from Gifblaar, isolation and characterization of	1967, XX, 190 1964, XVII, 149 1966, XIX, 6 1964, XVII, 145 1963, XVI, 26 1966, XIX, 130 1967, XX, 16
Neorautanenia Isoflavanoids — Part I. The interconversion of neodulin and dehydroneotenone	band of	1966, XIX, 93
dehydroneotenone	N	
Ochratoxins A and B metabolites, of Aspergillus Ochraceus wilh, the isolation of the methyl and ethyl esters of	dehydroneotenone Neorautanenia Isoflavanoids. Part II. Neofolin and ficinin, two new furoisoflavanoids from Neorautanenia Ficifolia (Benth ex Harv) C.A. S.M Neutron activation analysis, determination of vanadium in a sodium chloride base by Neutronaktiveringsanalise, bepaling van vanadium in 'n natriumchloriedbasis met Nitrosylruthenium, the extraction of the neutral and anionic complexes of, by long chain alkyl amines Non-metallics, a universal X-ray fluorescent method for the quantitative analysis of Nuclear magnetic resonance spectrum, of 1a, 2a-O-isopropylidene-3β-O-acetyl-4β-cyano-tetrahydrofuran-1a, 2a, 3β-triol	1966, XIX, 24 1967, XX, 200 1967, XX, 200 1967, XX, 174 1965, XVIII, 71
the methyl and ethyl esters of		
sulphuric acid — phosphoric at 25°	the methyl and ethyl esters of	1966, XIX, 73 1965, XVIII, 56
sulphuric acid — phosphoric at 25°	P	
	sulphuric acid — phosphoric at 25° Phosphorus, in fertilizers, the colorimetric determination of Physicochemical study, of the plant β -glucosidase, elaterase Polarografiese metode, 'n kinetiese ondersoek van die ontbinding van die	1964, XVII, 101 1967, XX, 32

Polarographic method, a kinetic investigation of the decomposition of the	1005 VVIII C	
trioxalato-manganate-(III)-ion according to a Polimerisasie, in gesmelte kaliumfosfaat, die invloed van alumina op die toe-	1965, XVIII, 6	
stand van	1966, XIX, 6	
on the degree of	1966, XIX, 6	
bindingsdigtheid van	1963, XVI, 55	
Proteins, a comparative study of the, of adult mohair, kid mohair and kemp	1967, XX, 132	
Proteins, high-sulphur, the fractionation of, from reduced merino wool by	,,	
column chromatography	1967, XX, 161	
column chromatography	1965, XVIII, 52	
Proteins, the use of the "length modulus" in the investigation of the cross-link		
density	1963, XVI, 55	
Proton scattering, the determination of cold coating thicknesses by	1965, XVIII, 61	
Potassium hexacyanocobaltate (III), labelled with cobalt-58 and -60, the prep-	1005 3717777 1	
aration for hydrological studies	1965, XVIII, 1	
Potassium phosphate, condensed, the influence of alumina on the degree of	1966, XIX, 6	
Pyridine-1-oxide, the reaction of, with acetic anhydride	1965, XVIII, 48	
Pyridine-1-oxide, the reaction of, with acetic anhydride	1000, 22 1111, 40	
R		
y-Radiolise, van 'n propanol, die relatiewe belangrikheid van die primêre ioniese		
prosesse	1967, XX, 149	
y-Radiolysis, of n-propanol, the relative importance of the primary ionic		
Drocesses	1967, XX, 149	
Rotational fine structures, of the infrared fundamentals ν_{δ} and ν_{δ} of mono-		
deuteromethane \dots Rotational fine structure, of the ν_2 parallel infrared band of monodeutero-	1967, XX, 16	
Rotational fine structure, of the ν_2 parallel infrared band of monodeutero-	1000 VIV 00	
methane	1966, XIX, 93	
Rubidium compounds, purification of, from traces of caesium	1964, XVII, 138	
S		
Scandium, a separation of from yttrium, lanthanum and the rare earths by		
anion-exchange chromatography of the sulphate complexes	1964, XVII, 114	
Semi-quantitative analysis, of powdered samples, a rapid method for the	1963, XVI, 5	
Sianokomplekse	1966, XIX, 62	
Sianokomplekse	1967, XX, 197	
Silica-alumina, the adsorption of water vapour on, treated with potassium		
chloride	1966, XIX, 123	
Sirkonium, die bepaling van, in Suid-Afrikaanse graniete	1965, XVIII, 13	
Spectrochemical analysis, quantitative, of some igneous rocks	1964, XVII, 29 1965, XVIII, 92	
Spectrographic determination, of trace elements in citrus leaves Stilbene, some sulphonamido derivatives of	1964, XVIII, 95	
Stilbene, some sulphonamido derivatives of	1304, 2411, 33	
atomic absorption spectrometry after separation by ion-exchange		
chromatography	1967, XX, 25	
chromatography	1964, XVII, 95	
Sulphuric acid. The systems p-dioxan-sulphuric acid-water and p-dioxan-		
sulphuric acid-phosphoric acid-water at 25°	1966, XIX, 45	
Surface areas, of reduced iron catalysts	1963, XVI, 15	
T		
Tetrachlorobisisoquinolinetitanium (IV), geometrical isomerism and stability of	1967, XX, 61	
Tetrachlorobisquinolinetitanium (IV), geometrical isomerism and stability of	1967, XX, 61	
1,2,3,4,-Tetrahydroarsinoline, derivatives of	1964, XVII, 61	
Tetravalent metal chlorides, hexamethylphosphoramide and octamethylpyro-	1066 VIV 72	
phosphoramide complexes of	1966, XIX, 73	
quinoline	1967, XX, 57	
Trace elements, in citrus leaves, the spectrographic determination of	1965, XVIII, 92	
Trideuteromethyl chloride, high resolution infrared studies of	1966, XIX, 130	
Trioxalato-manganate-(III)-ion, a kinetic study of the decomposition of,	,,	
according to a polarographic method	1965, XVIII, 6	
Trioksalatomanganaat-(III)-ioon, 'n kinetiese ondersoek van die ontbinding van,		
volgens 'n polarografiese metode	1965, XVIII, 6	

	U	
Ultraviolet light and hypo	phosphite, reduction of cystine and peptide-bound	
disulphides by	n of, on wool	1963, XVI, 48
Ultraviolet light, the action	n of, on wool	
Uranium, the separation of	of, from other elements by ion-exchange chromato-	1967, XX, 1
Iltanium the separation of	of, from scandium, yttrium, rare earths, thorium	1907, AA, 1
beryllium, magnes	sium, copper, manganese, iron, aluminium and other	
	n-exchange chromatography	1963, XVI, 38
•		
	V	
	n 'n natrium-chloriedbasis met neutronaktiverings-	
analiese		1967, XX, 200
	of, in a sodium chloride base by neutron activation	
	reaction of, and ethanol in dilute concentration in	
benzene		1966, XIX, 85
Virgilia oroboides gum. Par	rt V. Periodate oxidation studies of the gum and o	f
its carboxyl-reduc	der addition products of	1965, XVIII, 28
Vitamin A, esters, Diels-Al-	der addition products of	1963, XVI, 22
	w	
	· ·	
	oxan-sulphuric acid-water and p-dioxan-sulphuric	
Water vapour the adsorp	cid-water at 25°	1966, XIX, 45
Wool, hypophosphite as a r	educing agent for the disulphide linkage in	1000 TITIT O1
Wool, the action of ultravio	olet light on	
	X	
V ray fluorescent method	a universal for the quantitative analysis of non	
metallics	a universal, for the quantitative analysis of non-	
metantes		1000, 22 7 111, 71
	Y `	
Ysterpentakarboniel (O), di	ie bepaling, van in 'n gasstroom	1964, XVII, 38
* * * * * * * * * * * * * * * * * * * *		
	Z	
Zinc (II) complexes, and me	rcury (II) complexes with primary aromatic amines	
infrared spectra ar	nd bonding	1967, XX, 113
Zirconium, the determinati	on of, in South African granite	1965, XVIII, 13
	AUTHORS INDEX	
	ACTHORS INDEA	
	В	
Backeberg, O. G.	see Van Es, T	1964, XVII, 95
Basson, R. A.	see van der Linde, H. J	1000 37737 00
Basson, S. S. Blair, J. McD., Stepher	see Bok, L. D. C.	1900, AIA, 02
A. M. and (in part		
Shaw, D. H.	Virgilia Oroboides Gum. Part V. Periodate oxida-	
	tion studies of the gum and of its carboxyl-	
	reduced derivative	1965, XVIII, 28
Bok, L. D. C., Leipold		1000 VIV 00
Bok, L. D. C., Leipoldt,	Sianokomplekse (Cyanocomplexes)	1966, XIX, 62
J. O., and Myburgh,		
J. L.	Sianokomplekse Deel II. (Cyanocomplexes, Part II	1967, XX, 197
Botes, D. P. and		
Joubert, J.	The purification of formol diphtheria toxoid by	1964 XVII 1
	column chromatographic fractionation	1964 XVII 1

Botes, D. P.	see Joubert, F. J					1964, XVII, 44
Botes, D. P.	see van der Walt, S. J.					
Brandt, P. J.	see Steyn, W. J. A					1965, XVIII, 92
Brink, C. v. d. M.,	see steyn, w. j. zi					1000, 21 1111, 02
Dekker, J. J.,						
Hanakam F C						
Hanekom, E. C.,						
Meiring, D. H. and	Macroutamonia Isoflavan	oida	Dont T	The		
Rall, G. J. H.	Neorautanenia Isoflavan					1005 WHILL OF
D-1-1 G - 1 34	conversion of neodu	un and	denyd	roneote	none	1965, XVIII, 21
Brink, C. v. d. M.,					4	
Nel, W., Rall, G. J. H.						
Weitz, J. C. and			-			
Pachler, K. G. R.	Neorautanenia Isoflavan					
	and ficinin, two ne					
	Neorautanenia Ficifo	ilia (Be	nth ex	Harv)	C.A.,	
	S. M see van Rensburg, N. J.					1966, XIX, 24
Brink, C. v. d. M.	see van Rensburg, N. J.	J	* *	* *	* *	1965, XVIII, 56
Brink, C. v. d. M.	see van Rooyen, G. F.		* *			1967, XX, 54 1963, XVI, 22
Brümmerhoff, S.	see van Rooyen, G. F. see Serfontein, W. J.		* *		* *	1963, XVI, 22
Buijs, K. and						
van Wyk, J. A.	An infrared study of cya	inide co	omplex	es of co	balt	
	on anion-exchange r	esins				1963, XVI, 1
Burns, M. A. C.	see Joubert, F. J	0 0		* *	**	1967, XX, 161
Butler, L. R. P.	on anion-exchange resee Joubert, F. J see Strasheim, A					1964, XVII, 55
	G					
Churms, Shirley, C.	The effect of pH on the i	on-excl	nange p	roperti	es of	
,,	hydrated alumina. F	art I.	Capacit	v and s	selec-	
	16 11		-			1966, XIX, 98
Churms, Shirley C.	The effect of pH on the i	on-evel	nange n	roperti	es of	1000, 11111, 00
Circuit, Sinitely Ci	hydrated alumina.					
	exchange					1966, XIX, 108
Churms, S. C.	see Hanley, M. B					1967, XX, 92
	see Hamey, M. D	* *	* *		* *	1507, AA, 52
Clark, F. L.,						
Clur, D. A. and	A method for determinin	« the b	ont wal		head	
Fogel, R.			CSt Vall		mee	
				annani	en i en en	
	parameters in a kin	etic ec	quation			1000 VVI 11
	parameters in a kin	etic ed	quation epent v	variable		1963, XVI, 11
Clur, D. A.	parameters in a kin	etic ed	quation epent v	variable		1963, XVI, 11
Clur, D. A. Cooper, D. R.	parameters in a kin	etic ed	quation epent v	variable		1963, XVI, 11 1967, XX, 69
Clur, D. A. Cooper, D. R. Cruywagen, J. J.	parameters in a kin	etic ed	quation epent v	variable		1963, XVI, 11 1967, XX, 69 1964, XVII, 145
Clur, D. A. Cooper, D. R. Cruywagen, J. J. Cruywagen, J. J.	parameters in a kin	etic ed	quation epent v	variable		1963, XVI, 11 1967, XX, 69 1964, XVII, 145 1963, XVI, 26
Clur, D. A. Cooper, D. R. Cruywagen, J. J.	parameters in a kin	etic ed	quation epent v	variable		1963, XVI, 11 1967, XX, 69 1964, XVII, 145
Clur, D. A. Cooper, D. R. Cruywagen, J. J. Cruywagen, J. J.	parameters in a kin	etic ed	quation epent v	variable		1963, XVI, 11 1967, XX, 69 1964, XVII, 145 1963, XVI, 26
Clur, D. A. Cooper, D. R. Cruywagen, J. J. Cruywagen, J. J.	parameters in a kin	etic ed	quation epent v	variable		1963, XVI, 11 1967, XX, 69 1964, XVII, 145 1963, XVI, 26
Clur, D. A. Cooper, D. R. Cruywagen, J. J. Cruywagen, J. J. Cruywagen, J. J.	parameters in a kin two independent and see Clark, F. L. see Davidson, R. J see Rohwer, E. F. C. H. see Rohwer, E. F. C. H. see Rohwer, E. F. C. H.	detic ed one d	quation epent v	variable		1963, XVI, 11 1967, XX, 69 1964, XVII, 145 1963, XVI, 26
Clur, D. A. Cooper, D. R. Cruywagen, J. J. Cruywagen, J. J.	parameters in a kin two independent and see Clark, F. L see Davidson, R. J see Rohwer, E. F. C. H. see Rohwer, E. F. C. H. see Rohwer, E. F. C. H.	d one d	quation epent v	variable	and	1963, XVI, 11 1967, XX, 69 1964, XVII, 145 1963, XVI, 26
Clur, D. A. Cooper, D. R. Cruywagen, J. J. Cruywagen, J. J. Cruywagen, J. J.	parameters in a kin two independent and see Clark, F. L. see Davidson, R. J see Rohwer, E. F. C. H. see Rohwer, E. F. C. H. see Rohwer, E. F. C. H. D The systems p-dioxan-sp-dioxan-sulphuric a	ulphur	quation epent v	-water	and	1963, XVI, 11 1967, XX, 69 1964, XVII, 145 1963, XVI, 26 1966, XIX, 11
Clur, D. A. Cooper, D. R. Cruywagen, J. J. Cruywagen, J. J. Cruywagen, J. J. Davies, H. L.	parameters in a kin two independent and see Clark, F. L see Davidson, R. J see Rohwer, E. F. C. H. see Rohwer, E. F. C. H. see Rohwer, E. F. C. H.	ulphur	quation epent v	-water	and	1963, XVI, 11 1967, XX, 69 1964, XVII, 145 1963, XVI, 26
Clur, D. A. Cooper, D. R. Cruywagen, J. J. Cruywagen, J. J. Cruywagen, J. J. Davies, H. L. Davidson, R. J. and	parameters in a kin two independent and see Clark, F. L see Davidson, R. J see Rohwer, E. F. C. H. see Rohwer, E. F. C. H. see Rohwer, E. F. C. H. D The systems p-dioxan-sp-dioxan-sulphuric a at 25°	ulphur	quation epent v	-water	and	1963, XVI, 11 1967, XX, 69 1964, XVII, 145 1963, XVI, 26 1966, XIX, 11
Clur, D. A. Cooper, D. R. Cruywagen, J. J. Cruywagen, J. J. Cruywagen, J. J. Davies, H. L. Davidson, R. J. and Cooper, D. R.	parameters in a kin two independent and see Clark, F. L see Davidson, R. J see Rohwer, E. F. C. H. see Rohwer, E. F. C. H. see Rohwer, E. F. C. H	ulphurcid-pho	quation epent v	-water c acid-w	and	1963, XVI, 11 1967, XX, 69 1964, XVII, 145 1963, XVI, 26 1966, XIX, 11 1966, XIX, 45 1967, XX, 69
Clur, D. A. Cooper, D. R. Cruywagen, J. J. Cruywagen, J. J. Cruywagen, J. J. Davies, H. L. Davidson, R. J. and Cooper, D. R. Dekker, J. J.	parameters in a kin two independent and see Clark, F. L	ulphur.cid-pho	quation epent v	-water c acid-w	and	1963, XVI, 11 1967, XX, 69 1964, XVII, 145 1963, XVI, 26 1966, XIX, 11
Clur, D. A. Cooper, D. R. Cruywagen, J. J. Cruywagen, J. J. Cruywagen, J. J. Davies, H. L. Davidson, R. J. and Cooper, D. R.	parameters in a kin two independent and see Clark, F. L	ulphurcid-pho	ic acidosphorio	-water c acid-w	and vater	1963, XVI, 11 1967, XX, 69 1964, XVII, 145 1963, XVI, 26 1966, XIX, 11 1966, XIX, 45 1967, XX, 69
Clur, D. A. Cooper, D. R. Cruywagen, J. J. Cruywagen, J. J. Cruywagen, J. J. Davies, H. L. Davidson, R. J. and Cooper, D. R. Dekker, J. J.	parameters in a kin two independent and see Clark, F. L	ulphur cid-pho n of ac	ic acid sphoric id-solul in of diethyl	-water c acid-w	and rater agen dra-dryl	1963, XVI, 11 1967, XX, 69 1964, XVII, 145 1963, XVI, 26 1966, XIX, 11 1966, XIX, 45 1967, XX, 69 1965, XVIII, 21
Clur, D. A. Cooper, D. R. Cruywagen, J. J. Cruywagen, J. J. Cruywagen, J. J. Davies, H. L. Davidson, R. J. and Cooper, D. R. Dekker, J. J. De Fabrizio, Fabrizio	parameters in a kin two independent and see Clark, F. L	ulphur cid-pho n of ac	ic acid sphoric id-solul in of diethyl	-water c acid-w	and rater agen dra-dryl	1963, XVI, 11 1967, XX, 69 1964, XVII, 145 1963, XVI, 26 1966, XIX, 11 1966, XIX, 45 1967, XX, 69 1965, XVIII, 21
Clur, D. A. Cooper, D. R. Cruywagen, J. J. Cruywagen, J. J. Cruywagen, J. J. Davies, H. L. Davidson, R. J. and Cooper, D. R. Dekker, J. J. De Fabrizio, Fabrizio Den Hertog, H. J.	parameters in a kin two independent and see Clark, F. L	ulphur cid-pho n of ac	ic acid sphoric id-solul in of diethyl	-water c acid-w	and rater agen dra-dryl	1963, XVI, 11 1967, XX, 69 1964, XVII, 145 1963, XVI, 26 1966, XIX, 11 1966, XIX, 45 1967, XX, 69 1965, XVIII, 21
Clur, D. A. Cooper, D. R. Cruywagen, J. J. Cruywagen, J. J. Cruywagen, J. J. Davies, H. L. Davidson, R. J. and Cooper, D. R. Dekker, J. J. De Fabrizio, Fabrizio Den Hertog, H. J. De Villiers, Daphne B.	parameters in a kin two independent and see Clark, F. L	ulphur cid-pho n of ac	ic acid sphoric id-solul in of diethyl	-water c acid-w	and rater agen dra-dryl	1963, XVI, 11 1967, XX, 69 1964, XVII, 145 1963, XVI, 26 1966, XIX, 11 1966, XIX, 45 1967, XX, 69 1965, XVIII, 21
Clur, D. A. Cooper, D. R. Cruywagen, J. J. Cruywagen, J. J. Cruywagen, J. J. Davies, H. L. Davidson, R. J. and Cooper, D. R. Dekker, J. J. De Fabrizio, Fabrizio Den Hertog, H. J. De Villiers, Daphne B. De Villiers, P. A.	parameters in a kin two independent and see Clark, F. L	ulphur cid-pho n of ac	ic acid sphoric id-solul in of diethyl	-water c acid-w	and rater agen dra-dryl	1963, XVI, 11 1967, XX, 69 1964, XVII, 145 1963, XVI, 26 1966, XIX, 11 1966, XIX, 45 1967, XX, 69 1965, XVIII, 21
Clur, D. A. Cooper, D. R. Cruywagen, J. J. Cruywagen, J. J. Cruywagen, J. J. Davies, H. L. Davidson, R. J. and Cooper, D. R. Dekker, J. J. De Fabrizio, Fabrizio Den Hertog, H. J. De Villiers, Daphne B. De Villiers, P. A. De Vries, M. J. and	parameters in a kin two independent and see Clark, F. L. see Davidson, R. J. see Rohwer, E. F. C. H. see Rohwer, E. F. C. H. see Rohwer, E. F. C. H. D The systems p-dioxan-sp-dioxan-sulphuric a at 25° The sub-unit composition see Brink, C. v.d. M. The spectrometric determine (β-dimethyl-qether) in a cough mix see Pieterse, M. J. see Strasheim, A. see Pretorius, D. M.	ulphurcid-phonon of ac minatio amino-cture	ic acidosphorio	-water c acid-w ble colli- phenhy benzhy	and vater agen dra-dryl	1963, XVI, 11 1967, XX, 69 1964, XVII, 145 1963, XVI, 26 1966, XIX, 11 1966, XIX, 45 1967, XX, 69 1965, XVIII, 21
Clur, D. A. Cooper, D. R. Cruywagen, J. J. Cruywagen, J. J. Cruywagen, J. J. Davies, H. L. Davidson, R. J. and Cooper, D. R. Dekker, J. J. De Fabrizio, Fabrizio Den Hertog, H. J. De Villiers, Daphne B. De Villiers, P. A.	parameters in a kin two independent and see Clark, F. L	ulphur cid-pho n of ac minatio amino- ture	ic acid sphoric id-solul n of diethyl se acet	-water c acid-w ble coll- phenhy benzhy	and ater dradryl	1963, XVI, 11 1967, XX, 69 1964, XVII, 145 1963, XVI, 26 1966, XIX, 11 1966, XIX, 45 1967, XX, 69 1967, XX, 194 1964, XVII, 41 1963, XVI, 5 1965, XVIII, 48
Clur, D. A. Cooper, D. R. Cruywagen, J. J. Cruywagen, J. J. Cruywagen, J. J. Cruywagen, J. J. Davies, H. L. Davidson, R. J. and Cooper, D. R. Dekker, J. J. De Fabrizio, Fabrizio Den Hertog, H. J. De Villiers, Daphne B. De Villiers, M. J. and Smit, J. H.	parameters in a kin two independent and see Clark, F. L. see Davidson, R. J. see Rohwer, E. F. C. H. D The systems p-dioxan-sp-dioxan-sulphuric a at 25° The sub-unit composition see Brink, C. v.d. M. The spectrometric deternmine (\beta-dimethyl-cether) in a cough mix see Pieterse, M. J. see Strasheim, A. see Pretorius, D. M Adsorptive properties of Adsorption of alipha	ulphur.cid-pho n of ac minatio amino- ture cellulo cid- alco	ic acid sphoric id-solul in of diethyl se acet	-water c acid-w ble colli- phenhy benzhy	and arter dra-dryl dra-trt I.	1963, XVI, 11 1967, XX, 69 1964, XVII, 145 1963, XVI, 26 1966, XIX, 11 1966, XIX, 45 1967, XX, 69 1965, XVIII, 21 1967, XX, 194 1964, XVII, 41 1963, XVI, 5 1965, XVIII, 48 1967, XX, 11
Clur, D. A. Cooper, D. R. Cruywagen, J. J. Cruywagen, J. J. Cruywagen, J. J. Davies, H. L. Davidson, R. J. and Cooper, D. R. Dekker, J. J. De Fabrizio, Fabrizio Den Hertog, H. J. De Villiers, Daphne B. De Villiers, P. A. De Vries, M. J. and Smit, J. H. De Vries, M. J.	parameters in a kin two independent and see Clark, F. L. see Davidson, R. J see Rohwer, E. F. C. H. see Rohwer, E. F. C. H. see Rohwer, E. F. C. H. D The systems p-dioxan-sp-dioxan-sulphuric a at 25° The sub-unit composition see Brink, C. v.d. M. The spectrometric determine (β-dimethyl-ether) in a cough mix see Pieterse, M. J. see Pretorius, D. M. Adsorptive properties of Adsorption of alipha see Smit, J. H.	ulphurcid-pho n of ac minatio amino- cture	ic acid sphoric id-solul in of diethyl se acet ohols	-water c acid-w ble colling phenhy benzhy	and rater draddraddryl	1963, XVI, 11 1967, XX, 69 1964, XVII, 145 1963, XVI, 26 1966, XIX, 11 1966, XIX, 45 1967, XX, 69 1967, XX, 194 1964, XVII, 41 1963, XVI, 5 1965, XVIII, 48
Clur, D. A. Cooper, D. R. Cruywagen, J. J. Cruywagen, J. J. Cruywagen, J. J. Davies, H. L. Davidson, R. J. and Cooper, D. R. Dekker, J. J. De Fabrizio, Fabrizio Den Hertog, H. J. De Villiers, Daphne B. De Villiers, P. A. De Vries, M. J. and Smit, J. H. De Vries, M. J.	parameters in a kin two independent and see Clark, F. L. see Davidson, R. J. see Rohwer, E. F. C. H. D The systems p-dioxan-sp-dioxan-sulphuric a at 25° The sub-unit composition see Brink, C. v.d. M. The spectrometric deternmine (\beta-dimethyl-cether) in a cough mix see Pieterse, M. J. see Strasheim, A. see Pretorius, D. M Adsorptive properties of Adsorption of alipha	ulphurcid-pho n of ac minatio amino- cture	ic acid sphoric id-solul in of diethyl se acet ohols	-water c acid-w ble colling phenhy benzhy	and rater draddraddryl	1963, XVI, 11 1967, XX, 69 1964, XVII, 145 1963, XVI, 26 1966, XIX, 45 1966, XIX, 45 1967, XX, 69 1967, XX, 194 1964, XVII, 41 1963, XVI, 5 1965, XVIII, 48 1967, XX, 11 1967, XX, 144
Clur, D. A. Cooper, D. R. Cruywagen, J. J. Cruywagen, J. J. Cruywagen, J. J. Cruywagen, J. J. Davies, H. L. Davidson, R. J. and Cooper, D. R. Dekker, J. J. De Fabrizio, Fabrizio Den Hertog, H. J. De Villiers, Daphne B. De Villiers, M. J. and Smit, J. H.	parameters in a kin two independent and see Clark, F. L	ulphur cid-phe n of ac mina-ture cellulo tic alco	ic acid sphoric id-solul in of diethyl se acet ohols in water	-water c acid-w ble colliphenhy benzhy ate. Pa	and dater	1963, XVI, 11 1967, XX, 69 1964, XVII, 145 1963, XVI, 26 1966, XIX, 11 1966, XIX, 45 1967, XX, 69 1965, XVIII, 21 1967, XX, 194 1964, XVII, 41 1963, XVI, 5 1965, XVIII, 48 1967, XX, 11
Clur, D. A. Cooper, D. R. Cruywagen, J. J. Cruywagen, J. J. Cruywagen, J. J. Davies, H. L. Davidson, R. J. and Cooper, D. R. Dekker, J. J. De Fabrizio, Fabrizio Den Hertog, H. J. De Villiers, Daphne B. De Villiers, P. A. De Vries, M. J. and Smit, J. H. De Vries, M. J.	parameters in a kin two independent and see Clark, F. L. see Davidson, R. J see Rohwer, E. F. C. H. see Rohwer, E. F. C. H. see Rohwer, E. F. C. H. D The systems p-dioxan-sp-dioxan-sulphuric a at 25° The sub-unit composition see Brink, C. v.d. M. The spectrometric determine (β-dimethyl-ether) in a cough mix see Pieterse, M. J. see Pretorius, D. M. Adsorptive properties of Adsorption of alipha see Smit, J. H.	ulphurcid-pho n of ac minatio amino-cture	ic acid sphoric id-solul in of diethyl se acet ohols in water	-water c acid-w ble colli- phenhy benzhy ate. Pa	and dater	1963, XVI, 11 1967, XX, 69 1964, XVII, 145 1963, XVI, 26 1966, XIX, 45 1966, XIX, 45 1967, XX, 69 1967, XX, 194 1964, XVII, 41 1963, XVI, 5 1965, XVIII, 48 1967, XX, 11 1967, XX, 144

Dry, M. E. and	m	1000 VIV 115
Ferreira, L. C.	The structural promotion of reduced magnetite	1966, XIX, 115
Dry, M. E., Leuteritz, G. M. and		
van Zyl, W. J.	Surface areas of and carbon dioxide adsorption on reduced iron catalysts	1963, XVI, 15
Du Preez, J. G. H.	Hexamethylphosphoramide and octamethyl-pyro-	1000, 2211, 10
and Sadie, F. G.	phosphoramide complexes of tetravalent metal chlorides	1966, XIX, 73
Du Toit, Engela, H.,		
van Rensburg, N. N. J.		
and Swanepoel, O. A.	Determination of the thiol content of insoluble proteins	1965, XVIII, 52
Eloff, J. N. and		
Grobbelaar, N.	Isolation and characterization of N-methyl-L-	
,	alanine, a novel amino acid from gifblaar	
	(Dichapetalum Cymosum)	1967, XX, 190
Engelbrecht, D. J., Scholtz, H. v. Z.		
and van den Berg, J. P.	Die bepaling van ysterpentakarboniel (O) in 'n	
J. I.	gasstroom. (The determination of iron (O)	
	carbonyl in a gas stream)	1964, XVII, 38
Enslin, P. R.	see Holzapfel, C. W	1964, XVII, 142
	•	
	F	
Formales I C	n wn	1966, XIX, 115
Ferreira, L. C. Fogel, R.	see Dry, M. E	1963, XVI, 11
roger, K.	see Clark, F. L	1000, 22 11, 11
	G	
Garbers, C. F.	I. W I. D.	1964, XVII, 149
Goosen, A.,	see van der Merwe, J. P	1501, 26 111, 145
Kaplan, E. R. and		
Osry, M. A.	The alkaloids of the leguminosae. Part II. Hofmann	
	degradative studies on calpurnine from Cal- purnia Subdecandra	1966, XIX, 57
Gricius, A. J.	'n Vinnige en direkte bepaling van magnesium op	
	chromietertse en verwante vuurvaste materiaal met E.D.T.A. (A rapid and direct determina-	
	tion of magnesium in chrome ores and chrome	1005 VVIII 100
Grobbelaar, N.	771 07 7 77	1965, XVIII, 100 1967, XX, 190
Grobler, A. H. and	see Eloff, J. N	1007, 2222, 100
van den Berg, J. A.	'n Kinetiese ondersoek van die ontbinding van die	
-	trioksalatomanganaat - (III)-ioon volgens 'n	
	polarografiese metode. (A kinetic study of the	
	decomposition of the trioxalato manganate-	1005 WHITE
	(III)-ion according to a polarographic method)	1965, XVIII, 6
	н	
Hoosbrook P I		1000 VIV 1
Haigh, J. M., van Dam, M. A.	see Marais, P. G	1966, XIX, 1
and Thornton,	C. P	
David, A.	Studies on complexes and ligands. Part II. Com- plexes of mercury (II) and zinc (II) with primary aromatic amines. Infrared spectra	
	and bonding	1967, XX, 113
Hall, P. G. and		,,
Mureinik, R. J.	The adsorption of water vapour on silica-alumina treated with potassium chloride	1966, XIX, 123
Hanekom, E. C.	see Brink, C. v. d. M.	1965, XVIII, 21

Hanley M. D.						
Hanley, M. B., Churms, S. C. and						
Leisegang, E. C.	Kinetics of ion exchange	on a w	eak aci	d resin		1967, XX, 92
Harrison, G. S.	The torpedo friction test	for exp	olosives			1964, XVII, 14
Haylett, T.	see Joubert, F. J see Swart, L. S					1964, XVII, 44
Haylett,T.	see Swart, L. S					1967, XX, 132
Holzapfel, C. W.						
and Enslin, P. R.	Bitter principles of the c					
Halmanial C W	The constitutions of c					
Holzapfel, C. W.	see Steyn, P. S	0 0	0 0		* *	1967, XX, 186
	J					
Jordaan, J. H.	see Serfontein, W. J.			* *		1963, XVI, 22
Joubert, F. J.,						
Botes, D. P. and	The setion of slave of slave					1004 323777 44
Haylett, T.	The action of ultra-violet l				* *	1964, XVII, 44
Joubert, J.	see Botes, D. P					1964, XVII, 1
Joubert, F. J. and Burns, M. A. C.	The fractionation of the	high-e	ninhur	protein	e of	
and Durns, M. A. C.	reduced merino woo	l by	column	chrom	ato-	
	graphy			Carr Oans		1967, XX, 161
Joubert, F. J.	see Steenkamp, D. I.					1967. XX. 81
Joubert, F. J.	see Swart, L. S					1967, XX, 81 1967, XX, 132
Joubert, F. J.	graphy see Steenkamp, D. J. see Swart, L. S see v.d. Walt, S. J					1967, XX, 32
Joubert, F. J. and						
v.d. Walt, T. N.	The purification of physic					
	β -glucosidase from s	weet al	monds			1964, XVII, 79
	K					
Kaplan, E. R.	see Goosen, A					1966, XIX, 57
Keppler, H. H. and						
Turkstra, J.	Trace impurities in a samp	ole of n	atural g	glycerin	e	1963, XVI, 51
Kilroe-Smith, T. A.	Studies in the metabolis					
	viscometric method					
	enzyme hydrolyzing					100E WWIII 70
	age in cellulose (Cx-e	nzyme)			1965, XVIII, 79
	L					
Liebenberg, C. J. and						
Schöning, F. W. G.	Co-ordination compounds					1000 3737 50
Liebenheed C I	with quinoline and is	oquino	oune		4 4	1967, XX, 57 1967, XX, 61
Liebenberg, C. J.	see Schoning, F. W. G. see Bok, L. D. C. see Bok, L. D. C. see Hanley, M. B. see Mears, G. E. F. see Mears, G. E. F. see Mears G. E. F.		* *		a .	1967, AA, 01
Leipoldt, J. G. Leipoldt, J. G.	see Bok, L. D. C		* *	* *		1966, XIX, 62
Leisegang, E. C.	see Hanley M R	* *			* *	1967, XX, 197 1967, XX, 92 1967, XX, 16 1966, XIX, 93
Leisegang, E. C.	see Mears G. E. F.		* *	* *	* *	1967 XX 16
Leisegang, E. C.	see Mears, G. E. F					1966. XIX. 93
Leisegang, E. C.	see Mears G. E. F					1966, XIX, 130
Leonard, J. D.						
	fertilizers					1964, XVII, 101
Leuteritz, G. M.	Boo arry, Mar arr					1963, XVI, 15
Lloyd, P. J.	The extraction of the ne					
	plexes of nitrosyl-ru	ıtheniı	ım by	long-c	hain	
* D D	alkyl amines				4 *	1967, XX, 174
Louw, D. F.	alkyl amines see Swanepoel, O. A. see van Rensburg, N. J.		* *	* *	* *	1963, XVI, 31
Louw, D. F.	see van Kensburg, N. J.		* *	* *	* *	1965, XVIII, 56
	M					
Marais, P. G.,						
Haasbroek, F. J.,						
v.d. Lotz, E. and	20.000					
v. R. Smit, J.	Half-life of barium-137M					1966, XIX, 1
Mears, G. E. and	TT1		-0 -0			
Leisegang, E. C.	The rotational fine stru					
	fundamentals v _s and					1967 VV 16
	thane		* *			1001, AA, 10

Mears, G. E. F. and						
Leisegang, E. C.	High resolution infra methane and tric					1966, XIX, 130
Mears, G. E. F.,			-			
Parkyn, D. G. and						
Leisegang, E. C.	The rotational fine infrared band of					1966, XIX, 93
Meiring, D. H.	see Brink, C. v.d. M.					400E ****** 04
Mellet, P. and	See Dimis, C. v.a. M.					1000, 121111, 21
Swanepoel, O. A.	A column chromatog	raphic met	thod fo	or the d	eter-	
	mination of lantl					1965, XVIII, 41
Miller, L.	Instabilities in multi-	component	liquid	diffusio	n	1965, XVIII, 41 1966, XIX, 125
Morrison, I. (in part)	see Van Es. T.					1964, XVII, 95
Mureinik, R. J.	see Hall, P. G.					1966, XIX, 123
Myburgh, J. L.	see Van Es, T. see Hall, P. G. see Bok, L. D. C.					1967, XX, 197
,	Dec 2011, 21 21 01					,,
	N					
Nel, W.	see Brink, C. v. d. M.					1966, XIX, 24
Norval, E.	see Strasheim, A					1964, XVII, 55
Norval, E.	see Strasheim, A.					1967, XX, 25
Norval, S.	see Brink, C. v. d. M. see Strasheim, A. see Strasheim, A. Die invloed van alu	mina op	die to	estand	van	
	polimerisasie ir	n gesmel	te ka	liumtos	taat.	
	(The influence o					
	polymerizisation					
	phosphate) .					1966, XIX, 6
	0					
Osry, M. A.	see Goosen, A					1966, XIX, 57
	P					
						4000
Pachler, K. G. R.	see Brink, C. v.d.M					1966, XIX, 24
Pachler, K. G. R. and	The pueless magne	tio manana	200	nootrup		
Wessels, P. L.	The nuclear magnet	lidono 30 (140 0	pectiun	n or	
	danfuran 1- 2-	20 trial)-4p-cy	anoteti	any-	1966, XIX, 49
Postern D C	drofuran — 1a,2a see Mears, C. E. F.	1,3p-11101				
Parkyn, D. G. Peisach, M.	The preparation of po	taccium he	wacwa.	o-cobal	tate	1966, XIX, 93
reisach, M.	(III) labelled w					
	hydrological stud					1965, XVIII, 1
Peisach, M. and	nydrologicai stud	ics				1000, 20 1111, 1
Poole, D. O.	The determination of	cold cost	ing thi	cknesse	e hv	
roote, D. O.	proton scattering					1965, XVIII, 61
Pleterse, M. J. and	proton scattering					1000, 25 1 111, 01
den Hertog, H. J.	Aminations of bromo-	nyridines a	and bro	mo-eth	OVV-	
den Hertog, H. o.	nyridines	pyridinose	ind bio	mo cen	ony	1964, XVII, 41
Pieterse, M. J.	pyridines . see van Rooyen, G. F					1967, XX, 54
Plug, C. and	see van 100yen, o. 1					1007, 1111, 01
v. Niekerk, J. N.	A universal X-ray fluo	rescent me	ethod fo	or the a	uan-	
	titative analysis o	f non-meta	allics			1965, XVIII, 71
Poole, D. O.	titative analysis o see Peisach, M.					1965, XVIII, 61
Pretorius, D. M. and						
de Villiers, P. A.	The reaction of py	ridine-1-o	xide v	with a	cetic	
	anhydride .					1965, XVIII, 48
Pretorius, V.	anhydride see van Berge, P. C.				196	4, XVII, 122, 133
	R					
Pall C T II						1005 VIVIII CI
Rall, G. J. H.	see Brink, C. v.d.M see Brink, C. v.d.M		0.0			
Rall, G. J. H.	see Brink, C. v.d.M					1966, XIX, 24
Rohwer, E. F. C. H. and	The instantion				1.1	
Cruywagen, J. J.	The ionization consta					1000 NATE 00
Determine E E C II	acid		* *			1963, XVI, 26
Rohwer, E. F. C. H. and	The first		.4 -8	*** 0 == =		
Cruywagen, J. J.	The first protonatio					
Pohwer F F C H and	molybdic acid .					1904, AVII, 145
Rohwer, E. F. C. H. and	Monomeric obloro	anleyes of	moluk	den	(X7T)	1066 VIV 11
Cruywagen, J. J.	Monomeric chloro-con	apiexes of	moryb	denum	(v 1)	1900, AIA, II

	S	
Sadie, F. G.	see du Preez, J. G. H	1966, XIX 73
Schabort, J. C.	A study of the differences in some kinetic properties of lactic dehydrogenase isolated from normal	
	and neoplastic human lung tissues	1967, XX, 43
Schabort, J. C.	Lactic dehydrogenase from human lung inhibition by certain water-soluble ciliastatic com-	
	ponents of tobacco smoke	1967, XX, 103
Scholtz, H. v.Z.	see Engelbrecht, D. J	1964, XVII, 38
Schöning, F. W. G. and	C	
Liebenberg, C. J.	Geometrical isomerism and stability of tetra- chlorobisquinoline-titanium (IV) and tetra- chlorobisisoquinoline-titanium (IV)	1967, XX, 61
Schöning, F. W. G.		1967, XX, 57
Schröder, H. H. E.	see Liebenberg, C. J	1966, XIX, 38
Schutte, C. E. G.	Die bepaling van zirkonium in Suid-Afrikaanse graniete. (The determination of zirconium in	
	South African granite)	1965, XVIII, 13
Serfontein, W. J. and Schröder, H. H. E.	Potent al inhibitors of cancerous growth. Part VI. The application of the Mannich reaction in the synthesis of nitrogen mustard derivatives	1966, XIX, 38
Serfonteln, W. J.,		
Brümmerhoff, S. and Jordaan, J. H.	Diels-Alder addition products of vitamin A esters	1963, XVI, 22
Shaw, D. H.	see Blair, J. McD	1965, XVIII, 28
Siedner, G.	Quantitative spectrochemical analysis of some	1000, 12 1 111, 110
	igneous rocks	1964, XVII, 29
Smit, J. H., Smith, J. H. and		
De Vries, M. J.	Adsorption of aromatic hydrocarbons and	
C IA V VV	haloforms	1967, XX, 144
Smit, J. H. Smith, J. H.	see De Vries, M. J	1967, XX, 11 1967, XX, 144
Steenkamp, D. J. and	see Smit, J. H	1507, AA, 144
Joubert, F. J.	The microheterogeneity of amadin	1967, XX, 81
Stephen, A. M.	see Blair, J. McD	1965, XVIII, 28
Steyn, P. S. and		
Holzapfel, C. W.	The isolation of the methyl and ethyl esters of ochratoxins A and B metabolites of Aspergillus	1000 3131 100
Storm W I A and	Ochraceus wilh	1967, XX, 186
Steyn, W. J. A. and Brandt, P. J.	The spectrographic determination of trace elements in citrus leaves	1965, XVIII, 92
Strasheim, A. and	mettusicaves	1000, 21,111, 02
	A rapid method for the semi-quantitative analysis of powdered samples	1963, XVI, 5
Strelow, F. W. and		
van Zyl, C. R.	The separation of uranium from other elements by ion exchange chromatography	1967, XX, 1
Strasheim, A.,		
Norval, E. and		
Butler, L. R. P.	The atomic absorption determination of traces of lead in fish flour	1964, XVII, 55
Strasheim, A.,		
Strelow, F. W. and Norval, E.	Determination of barium and strontium in maize meal and bread flour by atomic absorption spectrometry after separation by ion exchange	
Ctrolow F W F	chromatography	1967, XX, 25
Strelow, F. W. E.	A separation of scandium from yttrium, lanthanum and the rare earths by anion-exchange chroma-	
	tography of the sulphate complexes	1964, XVII, 114

Strelow, F. W. E.	The separation of uranium from scandium, yt-	
Director, 1. W. D.	trium, rare earths, thorium, beryllium, mag- nesium, copper, manganese, iron, aluminium	
	and other elements by cation-exchange	
	chromatography	
Strelow, F. W.	see Strasheim, A	1967, XX, 25
Swanepoel, O. A. and	77 1 14 14 1 1 1 1 1 1 1 1	
Louw, D. F.	Hypophosphite as a reducing agent for the disul- phide linkage in wool, cystine, and oxidized glutathione	
Swanepoel, O. A.	Die gebruik van die "lengtemodulus" by die onder- soek van die kruisbindingsdigtheid van pro- teïene. (The use of the "length modulus" in the investigation of the cross-link density of	
Company of A	proteins)	
Swanepoel, O. A.	Reduction of cystine and peptide-bound disul- phides by hypophosphite and ultraviolet light	
Swanepoel, O. A.	see Mellet. P	
Swanepoel, O. A.	see Du Toit, Engela H	1965, XVIII, 52
Swanepoel, O. A.	see van Rensburg, N. J. J	1965, XVIII, 87
Swart, L. S.,		
Joubert, F. J. and		
Haylett, T.	A comparative study of the proteins of adult	
Counset F D	mohair, kid mohair and kemp	1967, XX, 132 1966, XIX, 85
Swart, E. R.	see van Gent, P. K	1900, AIA, 60
	T	
Thornton, D. A.	Derivatives of 1,2,3,4-tetrahydroarsinoline	1964, XVII, 61
Thornton, D. A.	The application of lithium arsenides to the synthesis of cyclic-compounds of arsenic and a novel	
	spirocyclic arsonium salt	1964, XVII, 71
Thornton, D. A.	Studies on complexes and ligands. Part III. p.p'- disubstituted derivatives of diphenyl, di-	
Thomas D A	phenyl ether and a,ω-diphenylalkanes	1967, XX, 123
Thornton, D. A.	see Haigh, J. M	1967, XX, 113
Toerien, P. V. S. Turkstra, J.	see Turkstra, J see Keppler, H. H	1967, XX, 200 1963, XVI, 51
Turkstra, J.,	See atoppier, and an arrangement of the see at the see	1000, 1111, 01
Toerien, P. V. S. and De Wet, W. J.	Bepaling van vanadium in 'n natriumchloriedbasis met neutronaktiveringsanalise. (Determina- tion of vanadium in a sodium chloride base by	
	neutron activation analysis)	
	and the state of t	,,
non Bondo B C and	v	
van Berge, P. C. and Pretorius, V.	The use of gas chromatography for the determina-	
rictorius, v.	tion of certain column parameters	1964, XVII, 133
van Berge, P. C. and		,,
Pretorius, V.	Sources of error in the experimental determination of the plate height for gas-liquid chromato-	
	graphy	1964, XVII, 122
van Dam, M. A.	see Heigh, J. M	1967, XX, 113
van den Berg, J. A.	D 11 14 10 1	
van der Berg, J. P.	see Engelbrecht, D. J	1964, XVII, 38
van der Linde, H. J. en Basson, R. A.	Die relatiewe belangrikheid van die primêre ioniese prosesse in die y-radiolise van n-propanol.	
	(The relative importance of the primary ionic	
	processes in the γ -radiolysis of n-propanol)	1967, XX, 149
van der Lotz, E.	see Marais, P. G	1966, XIX, 1
van der Merwe, J. P. ar Garbers, C. F.		1964, XVII, 149

van der Walt, S. J.,							
Joubert, F. J. and							
Botes, D. P.	A physiochemical s			lant β-g	lucosi	dase,	
	elaterase						1967, XX, 32
van der Walt, T. N.	see Joubert, F. J.		* *				1964, XVII, 79
van Es, T.,	3						,,
Backeberg, O. G.							
and (in part)							
					-99		
Morrison, I.	Some sulphonamic					and	
	acetophenone		* *	* *			1964, XVII, 95
van Gent, P. K. and							
Swart, E. R.	The reaction of vanadium (V) oxinate and ethanol						
	in dilute conce	entratio	n in b	enzene			1966, XIX, 85
van Niekerk, J. N.	see Plug, C						1965, XVIII, 71
van R. Smit, J.	Purification of rubi						1000, 11 1111, 71
van K. Siiit, S.	caesium						1964, XVII, 138
D. Cle I				* *		* *	
van R. Smit, J.	see Marais, P. G.	* *	* *	* *		* *	1966, XIX, 1
van Rensburg, N. N. J.,							
Brink, C. v.d.M. and							
Louw, D. F.	The oxidation of cy	stine ar	nd som	e deriva	tives		1965, XVIII, 56
van Rensburg, N. N. J.	see du Toit, Engela	a H.					1965, XVIII, 52
van Rensburg, N. N. J.							,,
and Swanepoel, O. A.	Unsymmetrical di	gulphid	es con	ntaining	v caret	eine	
and Swanepoel, O. 11.							
	Part I. The formation of 3-carboxy-4-nitro- thiophenol derivatives of cysteine and gluta-						
	thione and the	ir decor	npositi	ion by a	lkalı		1965, XVIII, 87
van Rooyen, G. F.,							
Pieterse, M. J. and							
Brink, C. v.d.M.	The chemistry o	f Coty	ledon	Walli	chii I	Iarv.	
	(Kandelaarbos						
	genol and beti						1967, XX, 54
van Wyk, J. A.	see Buijs, K						1963, XVI, 1
				* *			
van Zyl, C. R.	see Strelow, F. W.	* *		* *	* *		1967, XX, 1
van Zyl, W. J.	see Dry, M. E.	• •	* *				1963, XVI, 15
		w					
Weltz, J. C.	see Brink, C. v.d.M	1					1966, XIX, 24
Wessels, P. L.	see Pachler, K. G.						1966, XIX, 49
	see l'action, it. G.	46.				* *	1000, AIA, 40



